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Roads and Roofs.

These two items have nothing in common except that they concern us all. In riding a few miles along the road lately, two qualifications were apparent—costliness and inefficiency. over with lumber at a cost of \$150 for the bridge, to say nothing for approaches on each side. In a few years, say ten or twelve the whole structure will have gone to decay and will need rebuilding. A large earthen or iron culvert, two or three feet in diameter and eighteen to twenty feet long, would have been a cheap and The only place where a bridge structure is needed is where at times big freshets would occur, and nothing less than bridges might do. Blind custom and not reason rules us too much in fixing our highways. I do not know whether we are afflicted with some prohibition patent law that would make earthen culverts too expensive, but if no such difficulty stands in the way, the earthen culvert ought to supercede the timber and plank to a very great extent on the highways. On long flat pieces of road I feel convinced the drain-tile three or four feet below the surface would in the long run be the cheapest way to make and help maintain a highway-not to mention the benefit that would accrue to the adjacent land.

And sningles, the time-honored, inflammable shingles—it seems almost a pity to say a word against shingles. So neat as the newly finished shingle roof looks-alas, how soon it goes to decay and helps to form a part of "grub street." Insurance offices could say more of shingled buildings than I would wish to. Few families in the land but could also tell some tales of shingled roofs and the cost thereof; not merely the cost of shingles at so much per thousand, but the after cost of house and home. Roofs composed wholly of wood are peculiar to America and would almost lead to the supposition that no other material exists in America for roofs. She has slate like other countries; like them too she has clay that would do to bake into tiles; either material cheaper and more durable than shingles. Some experimentalists make flat roofs, but it is doubtful which is the flatter the roof or the experimenter. The only flat roofs I ever saw that answered were covered with lead, five pounds to the square foot, but that is a very expensive roof-Western Farm Journal.

Enriching Soil With Clover.

A writer in the New England Homestead advocates the use of clover as the cheapest method of enriching farm lands. He says:

Competent authority has established the fact that potash, phosphoric acid and nitrogen are indispensible ingredients in the composition of a fertile soil. Now it is possible for our farmers to obtain an ample supply of these constituents of fertility by the expenditure of a trifling sum of money if we are only so disposed. There is not the slightest necessity for sending to Peru for ammonia or to Germany for potash. Seed the land plentiful with cloverseed. The long roots of the clover will penetrate into the subsoil, loosen and disintergrate it and assimilate and prepare for the future growth of crops the valuable mineral which we import from Europe. It also deposits notable quantities of phosphoric acid, both in the stalks and roots. We have paid and are probably paying immense sums for ammonia in some of its combination to lay upon our lands. There is no rival to the clover plant in absorbing nitrogen from the atmosphere-equivalent to and convertable into ammonia-and depositing it in the soil ready for use. Professor Voelcker from careful analysis estimates the amount from two to

two and one-half tons per acre. Here then by the simple process of sowing clover seed we set in motion the minced cheese, which should not be of laboratory of nature which liberates the hitherto unavailable potash of the soil, evolves by the mysteries of vegetable growth that precious element phosphoric acid, and garners from that inexhaustible resource, the atmosphere, immense supplies of nitrogen. But this is not all. It furnishes the soil an abundance of organic matter without which it would be infertile and unproductive. Practi-cal farmers who have long cultivated clover in regular rotation estimate the butter a nice pie-plate and pour into it clover in regular rotation estimate the enriching power of a thick, dense sod as equal to twenty or more two horse loads of stable manure to the acre. This renovating crop can be repeated once in three years if the necessities of the soil require it. As dairying is an important interest among our farmers, it can be made a valuable auxiliary in carrying flour, one teaspoon cream tartar, one teaon that branch of industry. Indeed, it spoon vanilla; sift the flour four times, Extract from the "Life of Washington Irving." by his is really a fact that we need not go then add the cream of tartar and sift again away from our own fields to find the but have the right measure before admeans to render them fertile. And it ding the cream of tartar; sift sugar and should also be considered that clover measurer beat the whites of eleven eggs yields a rich return to the farmer as a to a stiff froth, then add the sugar

A Small Boy in a Tight Place.

The things which enter the head of a boy being unaccountable, we will not attempt to explain what induced Frederick Leach, a young lad living in the rear of No. 30 North Square, to stick his head through between the iron pickets of the Hancock school-yard gate yesterday afternoon. His head went through all right, but when he was minded to move back he was stuck. He turned his head up sidewise to see if some fellow had closed up the top of the pickets. The pickets appeared grimly stationary. He struggled backward until his ears were nearly peeled There is not the least doubt that al-off. Then he bethought himself of a lowing trees to bear heavily when story he had heard, wherein it was as- young is injurious both to the health of serted that a man's head was bigger the tree and future bearing. We have than his body, and, hoping it might be noticed upon our own premises on sevlikewise with himself, he struggled ahead until half his jacket buttons were stripped off. That also failed, and it was at that moment that the neighbordolorous, of the calamity which had befallen Frederick. A crowd gathered,
lifted the boy up, pulling and pushing
him till the pickets were warm with
friction. A thoughtful person asked him how he got in there. At last the a tree, of whatever age it may be, is gate was broken, and once more Fred-permitted to mature three times as erick held his head up. - Boston Advor

One bushel of muck about a

vine of tree in clavey soil, will give better results than would be obtained -Cracker Fruit Pudding. -Six erackone place was a mere gully with seldom ers pounded fine, one quart boiling Independence, O., said this; but he wrote: a flow of water in it and it was bridged milk, one spoonful flour, one cup brown

> -"We honestly believe," says the New England Farmer, "that the farmer who will work his brains until noon, and his hands the balance of the day, will outstrip him who rises at five and toils until nine at night."

wax. If no water is near the apiary, should be kept constantly filled with bantshed the pains and lameness. "It gives water for their use, and in this way me pleasure to recommend it whenever I shallow troughs, with floats in them, much time and labor may be saved can," said the Governor.

enough to run a needle through them. antees, and if anybody who purchases and Put into strong brine for three days. Put into strong brine for three days, changing once. Take out; wash; place in sun, turning frequently until black. Bring good vinegar to the boiling point, add whatever spice liked, put the nuts into a jar and pour over the hot vinegar. They will be ready to eat in a week.

-A pound and a quarter of oatmeal will supply as much nitrogen and almost as much fat to the body as one pound of uncooked meat of ordinary quality. A man gets three times as much nourishment, at the same cost, in oatmeal as he does in meats. One pound and a half of Indian meal is equal to one pound of uncooked meat in nitrogen and surpasses it in fat.

-Cure for Warts.-Put a small piece of alum into just enough water to dissolve it; bring this to a boiling heat; then, with a broom-splint, or any convenient article, apply this boiling liquid to the wart. The liquid should be thick and sirup-like, but on no account should the water be allowed to boil away, as you would then have burnt alum, and that will have no effect whatever upon the wart. Continue the application for several days, and the warts will soon gradually disappear.

-To Kill Burdocks. - Cut off the root three or four inches below ground with a spud or narrow, sharp tool. Continue the work year after year till the erop is exhausted. Probably a few drops of sulphuric acid, from the end of a rod on the crown of each plant, would do the work; or possibly a thick mixture of Paris green, or London purple, with water, might be used successfully in the same way—the mixture being many times stronger than for killing potato

of alcohol add gum-camphor as large as a small hickory nut. This, so to speak, merely camphorizes the alcohol. Bergamot or oil of rose, or any other essence, may be used to perfume, as the individual desires. Wet the scalp with this daily. It will also be found a stim-ulant of the scalp, a promoter of the hair and will, in many instances, prevent it from falling out. For dryness of the hair add a small quantity of glyerine or castor oil.

—Mutton and Green Peas.—Take a

breast of mutton weighing four pounds, take off all the loose fat, and cut it into pieces about two inches wide and four long; heat a tablespoonful of butter and fry the cutlets a light brown, first sifting flour over them; take them out of the grease and put them in a quart of boiling stock or water, with an onion cut fine, half a tablespoonful of salt, and half a teaspoonful of white pepper; after it comes to a boil, let it simmer for an hour, then add a quart of shelled peas and a dessert-spoonful of sugar, and let it stew half an hour longer; ten

crumbs; two well-beaten eggs; half a nutmeg; teaspoonful of sait. Heat a pint of milk boiling hot, and in it a large tablespoonful of butter; pour the boiling milk over the other ingredients and mix well; cover the bowl with a plate and set it back on the range for three or four hours to dissolve, stirring the mixture; set it in a quick oven and brown, sending it to the table very hot. This depends for its success on being quite smooth and the cheese all dis-

solved.

—Angels' Food.—One-half tumbler granulated sugar, one tumbler sifted forage crop while improving and enriching the soil. lightly, a little at a time, then the flour the same way, then add the vanilla; do not stop beating until you put in the pan to bake; bake forty minutes in a moderate oven, not opening the doors for the first fifteen minutes; try, and if not done, let stand a few moments longer, the tumbler must hold two and a quarter gills. Icing.—Whites of two eggs, two teacups sugar; boil the sugar with just enough water to moisten it; pour boiling hot, very slowly, over the beaten egg; dissolve a small half-tea-spoonful of citric acid in a tablespoonful of water, and put in enough of it to make flavor.

Early Bearing of Fruit Trees. hood was apprised, in tones the most duced the early product of a tree from

much f uit as it ought to do. - Christian

[Cieveland (Ohio) Plain Dealer.] Yum! Yum! Well has it been said that the delight ex-perbaced under certain conditions of life cannot be articulated, but can only be con-veyed by the happy Americanism Yum! Yum!

We do not know if Mr. Chas. Maempel, "About a year ago I was under a physic an's sugar, six eggs, raisms and currents; reatment, and paid a doctor's bill of twenty all kinds of spice. Bake. dollars, without any benefit. One bottle of Hamburg Drops did me more good than all the 'doctoring.' "

[San Francisco Daily German Democrat.] An Ex-Governor's Opinion.

The above-named journal recently contained the report of an interview between long, would have been a cheap and good substitute for the bridge and would have lasted till doomsday.

The only place where a bridge struct. ing would relieve. Friends advised the use of St. Jacob's Oil, and a haif dozen applications

them.

—Pickled Walnuts or Butternats.—

Gather when well grown but tender

Batternats.—

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Extract from the "Life of Washington Irving," by his nephewe, Pierre M. Irving. Vol. IV., p. 272.

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